

S&MA Mission Services Technical Directive

Control No: 0142	Org. Code: QD10	Project Code: Prometheus 1	Contract #: NAS8-00179
Originator: Vyga Kulpa/QD10 <i>Vyga Kulpa</i>		Date: 1-20-05	
Office Manager's Signature: Tom Hartline/QD10 <i>Tom Hartline</i>		Date: 1-20-05	
COTR's Signature: Terry Hamm/QD01 <i>Terry Hamm</i>		Date: 1-24-05	
Subject: Safety and Mission Assurance support for the Prometheus 1 Project			

Task Description:

The intent of this task is to provide Mission Assurance management and Reliability Fault Tree development activities for the Prometheus 1 Project at MSFC. The mission assurance manager will be responsible for interfacing and supporting the Prometheus 1 Project at JPL and at MSFC within the context of Prometheus 1 work agreements that have been agreed for the FY-05 timeframe. Technical Objectives:

Reliability

- 1) Develop fault tree inputs for the MSFC subsystems to be used in a system level fault tree at JPL.
- 2) Support the Government Phase A/B Prometheus 1 Project development activities.

Project Assurance

- 1) Support the development and implementation of Prometheus 1 Project planning and data products that are related to Mission Assurance activities at MSFC.
- 2) Coordinate Mission Assurance activities with the Prometheus 1 Mission Assurance Office at JPL and the Prometheus 1 Project Office at MSFC.

Deliverables:

- 1) Weekly Prometheus 1 Telecon Support and Monthly Mission Review (MMR) Assurance Support.
- 2) Weekly Fault Tree telecons and monthly progress reports to the Prometheus 1 Project Office at MSFC and at JPL per the JPL Work Agreement. Fault Tree inputs will support the (TB2.5 baseline) Interim Report scheduled for January 15, 2005. Fault Tree activity follow-on activities will be prepared against the Prometheus 1 technical baseline and will be reported at the end of each month through September 30, 2005.
- 3) Hosting of Prometheus 1 Project personnel for technical discussions and meetings at MSFC.
- 4) Weekly notes by noon of each Thursday.

Duration (If time limited task):

October 1, 2004 through December 31, 2004

Report Progress To: S&MA Project Lead

Frequency of Report: Weekly

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